(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 13 October 2005 (13.10.2005)

PCT

(10) International Publication Number WO 2005/095547 A1

(51) International Patent Classification⁷:

C10G 3/00

(21) International Application Number:

PCT/EP2005/000946

(22) International Filing Date: 28 January 2005 (28.01.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10/805,983

22 March 2004 (22.03.2004) US

(71) Applicant (for all designated States except US): EXXON-MOBIL CHEMICAL PATENTS INC. [US/US]; 5200 Bayway Drive, Baytown, TX 77520-5200 (US).

(72) Inventors; and

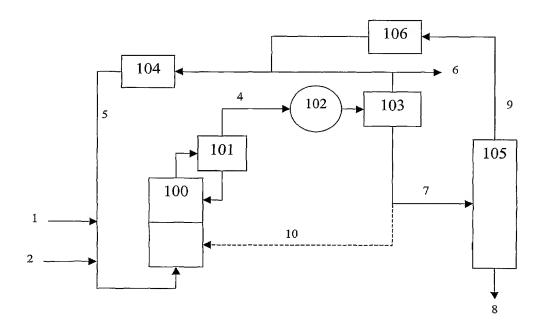
(75) Inventors/Applicants (for US only): CAERS, Raphael, F. [BE/BE]; Prins Boudewijnlaan 189, B-2650, Edegem (BE). BECKERS, Hubertus, J. [NL/BE]; Bollostraat 6, B-3140 Keerbergen (BE). VAN DRIESSCHE, Eddy [BE/BE]; Krekelmuit 8, B-9900 Eeklo (BE). MARTENS, Luc, R.M. [BE/BE]; Rooststraat 18, B-1860 Meise (BE). GODSMARK, John, S. [GB/BE]; Champs de Maubraux

18, B-1390 Grez Doiceau (BE). **SHUTT, John, R.** [GB/BE]; Puursstraat 26 bus 6, 1785 Merchtem (BE).

- (74) Agent: DEW, Melvyn, John; ExxonMobil Chemical Europe Inc., P.O. Box 105, B-1830 Machelen (BE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: PROPYLENE HYDROFORMYLATION



(57) Abstract: Propylene streams obtained by the conversion of oxygenates to olefins are used as feeds for hydroformylation. The streams may contain measurable amounts of dimethyl ether without adversely impacting the hydroformylation.

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.